

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2004/002373

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: F24F 1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: F24FDocumentation searched other than minimum documentation to the extent that such documents are included in the fields searched
---Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI, EpoDoc, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 272 878 B1; (CHANG); 14 August 2001 (14.08.2001) <i>the whole document.</i> --	1-8
X	US 3 811 293 A; (FLYNN); 21 May 1974 (21.05.1974) <i>the whole document.</i> --	1-8
X	JP 59-074439 A; (MATSUSHITA); 26 April 1984 (26.04.1984) <i>the whole document.</i> --	1-8
X	JP 10-068535 A; (SHARP); 10 March 1998 (10.03.1998) <i>the whole document.</i> --	1-8

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
20 January 2005 (20.01.2005)Date of mailing of the international search report
3 February 2005 (03.02.2005)Name and mailing address of the ISA/ AT
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP A 10068535 A2		none	
JP A 59074439 A2		none	
US A 3811293	1974-05-21	JP A 49126148 IL A 44232 CA A1 997148	1974-12-03 1976-07-30 1976-09-21
US B1 6272878	2001-08-14	KR A 2000032578	2000-06-15